

# Ellipse with DrawLines

```
using System;
using System.Drawing;
using System.Windows.Forms;

class PolyEllipse: Form
{
public static void Main()
{
Application.Run(new PolyEllipse());
}
public PolyEllipse()
{
Text = "Ellipse with DrawLines";
ResizeRedraw = true;
}
protected override void OnPaint(PaintEventArgs pea)
{
DoPage(pea.Graphics,          ForeColor, ClientSize.Width,
ClientSize.Height);
}
protected void DoPage(Graphics grfx, Color clr, int cx, int
cy)
{
int iNum = 2 * (cx + cy);
PointF[] aptf = new PointF[iNum];

for (int i = 0; i < iNum; i++) { double dAng = i * 2 * Math.PI
/ (iNum - 1); aptf[i].X = (cx - 1) / 2f * (1 +
(float)Math.Cos(dAng)); aptf[i].Y = (cy - 1) / 2f * (1 +
(float)Math.Sin(dAng)); } grfx.DrawLines(new Pen(clr), aptf);
} } [/csharp]
```